SAF-RC-030 Remaining Sites Confirmation Sampling Other Solid FINAL VALIDATION PACKAGE

COMPLETE COPY OF VALIDATION PACKAGE TO:

Jeanette Duncan (2)

H9-02

COMMENTS:

SDG J00038

SAF-RC-030

Waste Site: 100-D-50:5



Date:

14 February 2006

To:

Washington Closure Hanford Inc. (technical representative)

From:

TechLaw, Inc.

Project:

Remaining Sites Confirmation Sampling - Other Solid - Waste Site

100-D-50:5

Subject: Wet Chemistry - Data Package No. J00038-ST

INTRODUCTION

This memo presents the results of data validation on Data Package No. J00038 prepared by Severn Trent (ST). A list of samples validated along with the analyses reported and the method of analysis is provided in the following table.

| . (Sample D. | Sample Date | Media: We | Validation // | Date |
|--------------|-------------|-----------|---------------|------------|
| J10L57 | 12/28/05 | Solid | С | See note 1 |

^{1 -} Chromium VI by 7196A.

Data validation was conducted in accordance with the Washington Closure Hanford (WCH) validation statement of work and the 100 Area Remedial Action Sampling and Analysis Plan (DOE/RL-96-22, Rev. 4, February 2005). Appendices 1 through 6 provide the following information as indicated below:

- Appendix 1. Glossary of Data Reporting Qualifiers
- Appendix 2. Summary of Data Qualification
- Appendix 3. Qualified Data Summary and Annotated Laboratory Reports
- Appendix 4. Laboratory Narrative and Chain-of-Custody Documentation
- Appendix 5. Data Validation Supporting Documentation
- Appendix 6. Additional Documentation Requested by Client

DATA QUALITY PARAMETERS

Holding Times

Analytical holding times for metals are assessed to ascertain whether the holding time requirements were met by the laboratory. The holding time requirements are as follows: Soil samples must be analyzed within 30 days for chromium VI.

If holding times are exceeded, but not by greater than two times the limit, all associated sample results are qualified as estimates and flagged "J" for detects and "UJ" for non-detects. If holding times are exceeded by greater than two times the limit, all associated detectable sample results are qualified as estimates and flagged "J" and all non-detects are rejected and flagged "UR".

All holding times were acceptable.

· Method Blanks

Method Blanks

Method blank analyses are performed to determine the extent of laboratory contamination introduced through sampling, sample preparation and analysis. At least one acceptable method blank analysis must be conducted for every 20 samples. No contaminants should be present in the method blank. All blank results must fall below the contract required detection limit (CRQL) to be acceptable.

All method blank results were acceptable.

Field (Equipment) Blank

No field blanks were submitted for analysis.

Accuracy

Matrix Spike and Laboratory Control Sample

Matrix spike (MS) and laboratory control sample (LCS) analyses are used to assess the analytical accuracy of the reported data. The matrix spike is used to assess the effect of the matrix on the ability to accurately quantify sample concentrations. Recoveries must fall within the range of 70% to 130%. Samples with a recovery of less than 30% and a sample result below the IDL are rejected and flagged "UR". Samples with a recovery of 30% to 69% and a sample result less than the IDL are qualified "UJ". Samples with a recovery of greater than 130% or less than 70% and a sample result greater than the IDL are qualified as estimates and flagged "J".

Finally, for samples with a recovery greater than 130% and a sample result less than the IDL, no qualification is required.

Due to a matrix spike recovery outside QC limits (1%), all chromium VI results were rejected and flagged "R".

Precision

Laboratory Duplicate Samples

Analytical precision is expressed by the relative percent differences (RPD) between the recoveries of matrix spike duplicate (MSD) analyses performed on a sample in the analytical batch. Precision may alternatively be assessed using unspiked duplicate analyses performed on a sample in the analytical batch. If both sample and replicate activities (concentrations) are greater than five times the CRDL and

on the state of the control of the state of

the RPD is less than 30%, no qualification is required. If either activity (concentration) is less than five times the CRDL, the RPD control limit is less than or equal to two times the CRDL. If the RPD is outside the applicable control limit, associated results are qualified as estimated detects or estimated non-detects.

Due to an RPD outside QC limits (120%), all chromium VI results were qualified as estimates and flagged "J".

Field Duplicate

No field duplicates were submitted for analysis.

Analytical Detection Levels

Reported analytical detection levels are compared against the required quantitation limits (RQLs) to ensure that laboratory detection levels meet the required criteria. All analytes met the RQL.

Completeness

Data package J00038 was submitted for validation and verified for completeness. Completeness is based on the percentage of data determined to be valid (i.e., not rejected). The completion percentage was 0%.

MAJOR DEFICIENCIES

Due to a matrix spike recovery outside QC limits (1%), all chromium VI results were rejected and flagged "R". Rejected data is not usable and should not be reported.

MINOR DEFICIENCIES

Due to an RPD outside QC limits (120%), all chromium VI results were qualified as estimates and flagged "J". Data flagged "J" indicates that the associated concentration is an estimate, but under the BHI statement of work, the data may be usable for decision-making purposes.

REFERENCES

WCH, Contract #20266, Validation Statement of Work, Washington Closure Hanford Incorporated, July 7, 2003.

DOE/RL-96-22, Rev. 4, 100 Area Remedial Action Sampling and Analysis Plan, U.S. Department of Energy, February 2005.

Glossary of Data Reporting Qualifiers

Qualifiers which may be applied by data validators in compliance with BHI validation SOW are as follows:

- Indicates the compound or analyte was analyzed for and not detected in the sample. The value reported is the sample quantitation limit corrected for sample dilution and moisture content by the laboratory.
- UJ Indicates the compound or analyte was analyzed for and not detected in the sample. Due to a minor QC deficiency identified during the data validation, the associated quantitation limit is an estimate.
- Indicates the compound or analyte was analyzed for and detected. Due to a minor QC deficiency identified during the data validation, the associated concentration is an estimate, but the data are usable for decision-making purposes.
- BJ Applied to inorganic analyses only. Indicates the analyte concentration was greater than the IDL but less than the CRDL and is considered an estimated value.
- R Indicates the compound or analyte was analyzed for, detected, and due to an identified major QC deficiency, the data are unusable.
- UR Indicates the compound or analyte was analyzed for and not detected in the sample. Additionally, the data is unusable due to an identified major QC deficiency.
- NJ Indicates presumptive evidence of a compound at an estimated value.
 The data may not be valid for some specific applications (i.e., usable for decision-making purposes).
- Indicates presumptive evidence of a compound. The data may not be valid for some specific applications (i.e., usable for decision-making purposes).

Summary of Data Qualification

WET CHEMISTRY DATA QUALIFICATION SUMMARY*

| SDG: J00038 * ::- | REVIEWER: | -Project: 100-0-50.5 | RAGE_17-0F-1 |
|-------------------|-----------|----------------------|--------------|
| COMMENTS: | | | |
| COMPOUND | QUALIFIER | SAMPLES AFFECTED | REASON |
| Chromium VI | R | All | MS recovery |
| Chromium VI | J | All | RPD |

^{* -} The Qualified Data Summary Table includes laboratory applied "U" qualifiers not specifically identified here. The laboratory applied "U" qualifiers are included to minimize misinterpretation of results contained in the table.

Qualified Data Summary and Annotated Laboratory Reports

| Project: WASHINGTON | CLOSURE HAN | FORD. | | | |
|---------------------|---------------------------------------|---------|----|--|--|
| Lab: ST | SDG: J00038 | | | | |
| Sample Number | | J10L57 | | | |
| Remarks | · · · · · · · · · · · · · · · · · · · | | | | |
| Sample Date | | 11/7/05 | | | |
| Wet Chemistry | RQL | Result | Q | | |
| Chromium VI | 0.5 | 0.350 | UR | | |
| | | | | | |
| | | | | | |

FORM I

SAMPLE RESULTS

Date: 11-Jan-06

Lab Name:

STL Richland

Lot-Sample No.: J5L280334-1

Client Sample ID: J10L57

SDG:

COC No.:

J00038

RC-030-030

Report No.: 31019 **Collection Date:**

12/28/2005 1:00:00 PM

Received Date:

12/28/2005 3:30:00 PM

Ordered by Client Sample ID. Batch No.

Matrix:

SOLID

| Parameter | Result | Count Qual Error (2 s) | Total Uncert(2 s) | MDC MDA, Action Lev | Rpt Unit, Lc | Yield Rst/MD CRDL(RL) Rst/TotU | -, | Total Sa Size | Aliquot Size | Primary Detector | |
|----------------|----------|----------------------------|-----------------------|--------------------------|-----------------|-----------------------------------|----|------------------|-----------------|---------------------|--|
| Batch: 6010341 | 7196_CR6 | | Work Order: | HTWTA1AA | Reno | et DR ID- 9HTWTA10 | | | | | |

3.50E-01 U R

0.0E+00

3.50E-01 mg/kg

N/A

3.50E-01

(1.) NA

12/29/05

2.5 G

No. of Results: 1

HEXCHROME

Comments:

2/14/06

Laboratory Narrative and Chain-of-Custody Documentation

Certificate of Analysis

Washington Closure Hanford 3190 George Washington Way Richland, WA 99354

January 12, 2005

Attention: Joan Kessner

SAF Number

RC-030

Date SDG Closed

December 28, 2005

Number of Samples

One (1)

Sample Type

Other Solids

SDG Number Data Deliverable J00038

15-Day / Summary

CASE NARRATIVE

I. Introduction

On December 28, 2005, one water sample was received at STL Richland (STLR) for chemistry analysis. Upon receipt, the sample was assigned the following laboratory ID number to correspond with the Washington Closure Hanford (WCH) specific ID:

WCH ID#

STLR ID#

MATRIX

DATE OF RECEIPT

J10L57

HTWTA

OTHER SOLID

12/28/05

II. Sample Receipt

The sample was received in good condition and no anomalies were noted during check-in.

III. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information, analytical results and the appropriate associated statistical errors. The requested analyses were:

Chemical Analysis

Hexavalent Chromium by EPA method 7196A

Washington Closure Hanford January 12, 2006

IV. Quality Control

The analytical results for each analysis performed includes a minimum of one laboratory control sample (LCS), one method (reagent) blank, and one duplicate sample analysis. Any exceptions have been noted in the "Comments" section.

QC and sample results are reported in the same units.

V. Comments

Chemical Analysis

Hexavalent Chromium by EPA method 7196A:

The samples from two different SDG, J00037 and J00038, were inadvertently run in one batch. The matrix spike (J10L57) in this batch was not recovered from the sample. The post digestion spike (J10L57) however was within acceptance limits. Other than as noted, the LCS, batch blank, sample, post digestion matrix spike (J10L57) and sample duplicate (J10L57) results are within contractual requirements.

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager, or a designee as verified by the following signature.

Reviewed and approved:

Hans Carman Project Manager

| - | |
|----------|---|
|) | ļ |
|) | 1 |

| Washington Closure Hanford CHAIN OF CUSTOD | | | | | CUSTODY/S | AMPL | LE ANALYSIS REQUEST | | | 1. | RC-030-030 | | Page 1 | of 1 | |
|--|---------------|--------------|--------------|-------------------------------------|------------------------|--|--|----------|---------------|---------------------------------------|------------|-----------------|--------|-----------|---------------------------------------|
| Collector Company Contact Telephone No. STANKOVICH/HUDSON Mike Stankovich 531-7620 | | | | | | | Project Coordinator KESSNER, JH Price Co | | Price Code 9C | | | Data Turnaround | | | |
| Project Designation Remaining Sites Confirmation Sampling - Other Solid Sampling Location 100-D-50:5 | | | | | | | | | Ai | Air Quality [; | | 15 Days | | | |
| Ice Chest No. | | | | L-1578 COA Method of Shipment FedEx | | | | ı ' | | | · · | | | | |
| Shipped To Severn Trent In | corporated, R | tichland | Off | site Property No. | | | | | Bill of L | ding/Air E | BiΠ No. | | | | |
| POSSIBLE SAN | APILE HAZA | RDS/REMARKS | | | | | | | | | | | 1 | | T- "" |
| | | J00038 | | Preserva | tion Coal 4C | | | 1 | - 1 | | | | 1 | | |
| Special Handli | ing and/or S | Storage JSL2 | &n 274 | Type of Co | G/P atainer | | | | | | | | | 1 | |
| Special framul | ing without | | • | No. of Conta | niner(s) | | | | | | | | | 1 | |
| | | One | 01 12 0 | Volum | e 120mL | | 1 | | | | | | | | 1 |
| | | | | ···- - | Chromium Hex - 7196 | 1 | | 1 | | | | | | | |
| | | SAMPLE ANA | LYSIS | | | | | | | | | | | | |
| Sample | No. | Matrix * | Sample Da | te Sampl | e Time | | Kee Y | | | | 7.2 | | | 10.700 | |
| J10L55 | | OTHER SOUD | M. 128/0 | | | | <u> </u> | <u> </u> | | | | | | ļ | <u> </u> |
| J 10L56 | | OTHER SOLID | 1-1 | <u> </u> | | <u> </u> | | | | | | | ļ | <u> </u> | |
| J10L57 H | TWTA | OTHER SOLID | 17-28-0 | 5 138 | <u>x</u> | | <u> </u> | | | | | | | - | - |
| | | | | | | | | | | | | | | | |
| | POSSESSIC | | | int Names | | | CIAL INSTI | RUCTIO | NS | | - | | | | Matrix * |
| Relinquished By/Ren | oved From | twen yay | | | 12 280 | 530 | 8.500 | | | | | | | | S=Sait SE=Satimax SO=Satid |
| Relinquished By/Ren | noved From | Date/Time | Received By/ | Stored In | Date/Time | | | | • | | | | • | | SI=Stadge W = Water O=Oil |
| Relinquished By/Ren | roved From | Date/Time | Received By/ | Stored In | Date/Time | | | | " | | | | | | A=Air D\$=Dram Sol Di=Dram Liq |
| Retinquished By/Ren | noved From | Date/Time | Received By/ | Stored in | Date/Time | | | • | | | | | | | T=Tieme W1=Wipe L=Liquid V=Vegetation |
| Relinquished By/Ren | noved From | Date/Time | Received By/ | Stored In | Date/Time | | | . ' | | | | | | | X=Other |
| Relinquished By/Ren | noved From | Date/Time | Received By/ | Stored In | Date/Time | | • | | | | | | | | |
| LABORATORY SECTION | Received B | у | <u> </u> | | Ti | tle | | | | | | | 1 | Date/Time | |
| FINAL SAMPLE | E Disposal M | t-thank | | | | | Disp | osed By | | · · · · · · · · · · · · · · · · · · · | | | | Date/Time | |



Richland Laboratory Data Review Check List Hexavalent Chromium

| Work Order Number(s): HTWR8, HTWTA Lab Sample Numbers or SDG: J00035 7 48 46 (\varphi) DE | | | | | | | |
|--|------------|-----------|------------|-------------------------------------|--|--|--|
| Method/Test/Parameter: Cr+6 in Solid / RICH-WC-5005, Rev 7 | | | | | | | |
| Review Item | Yes (*) | No (✓) | N/A (✓) | 2 ^{*4} Level Review (✓) | | | |
| A. Initial Calibration 1. Performed at required frequency with required number of levels? | 1 | | | | | | |
| 2. Correlation coefficient within QC limits? | 1 | | | | | | |
| 3. Initial calibration verification (ICV) analyzed immediately after calibration and results within QC limits? | 1 | | | | | | |
| 4. Initial calibration blank (ICB) analyzed immediately after ICV and concentrations of all parameters ≤ reporting limit? | 1 | | | V | | | |
| B. Continuing Calibration 1. CCV analyzed at required frequency and all parameters within QC limits? | ~ | | | | | | |
| 2. CCB analyzed at required frequency and all results < reporting limit? | 1 | | <u> </u> | | | | |
| C. Sample Analysis 1. Were any samples with concentrations above the linear range for any parameter diluted and reanalyzed? | 1 | | | | | | |
| 2. Were all sample holding times met? | 1 | 1. | | | | | |
| D. QC Samples 1. All results for the preparation blank below limits? | ~ | | | | | | |
| 2. MS or MS/MSD recoveries within QC limits and %RPD (for MSD) acceptable? | | 1 | | V | | | |
| 3. LCS percent recovery within QC limits and %RPD (for LCSD) acceptable? | 1 | | | | | | |
| 4. Analytical spikes within QC limits where applicable? | | | 1 | | | | |
| 5. ICP only: One serial dilution performed per SDG? | | | 1 | | | | |
| 6. ICP only: CRDL standard (CRI or CRA) analyzed at required frequency? | | | 1 | | | | |
| 7. ICP only: Interference check samples (ICSA, ICSAB) and HICAL analyzed at the required frequencies and within QC limits? | | | 1 | | | | |

| . Other | 1 | | | Review (✓) |
|---|---|----------|----------|------------|
| | } | | 1 | |
| Are all nonconformances included and noted? | | | | |
| Is the correct date and time of analysis shown? | 1 | - | | V |
| Did the analyst sign and date the front page of the analytical run? | 1 | | | |
| Correct methodology used? | 1 | | | |
| Transcriptions checked? | 1 | 1 | | |
| Calculations checked at minimum frequency? | 1 | | | |
| Units checked? | 1 | <u> </u> | <u> </u> | |

Review Item

000017

Date:___1/10/06_

Analyst: ___S. Wheland_

Second-Level Review:

Clouseau **Nonconformance Memo**



NCM#: 10-07305

NCM Initiated By: Steven Wheland

Date Opened: 01/10/2006

Date Closed:

Classification: Anomaly

Status: GLREVIEW

Production Area: Classical Chemistry

Tests: 7196A

Lot #'s (Sample #'s): J5L280333 (1), J5L280334

(1), J6A100000 (341),

QC Batches: 6010341

Nonconformance: Other (describe in detail) Subcategory: Other (explanation required)

Problem Description / Root Cause

Steven Wheland

Date Date

Description

MS and MSD yield very low yields, while the PDMS produced a 86% yield. 01/10/2006

Corrective Action

<u>Name</u>

Date

Corrective Action

Steven Wheland

01/10/2006

Client Notification Summary

Cilent

Project Manager

Notified

Response How Notified

<u>Note</u>

Response

Response Note

Quality Assurance Verification

Verified By

Due Date

Status

This section not yet completed by QA.

Notes

Approval History

Date Approved

Approved By

Position

Data Validation Supporting Documentation

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|--|---|-------------------------|------------------|---------------------------------------|--|
| PROJECT: | 100-0-50 |) / S | DATA PACKAC | | |
| VALIDATOR: | TLI | LAB: 5 | :+ | DATE: 2/ | 11/06 |
| | | | SDG: | J00038 | |
| · · · · · · · · · · · · · · · · · · · | - "" | ANALYS | ES PERFORMED | | |
| Anions/IC | TOC | тох | TPH-418.1 | Oil and Grease | Alkalinity |
| Ammonia | BOD/COD | Chloride | Chromium-VI | pН | NO ₃ /NO ₂ |
| Sulfate | TDS | TKN | Phosphate | | |
| | | | | | |
| SAMPLES/MA | TRIX | | | | · |
| J10 | L57 | | | · · · · · · · · · · · · · · · · · · · | |
| | | | | | |
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| | | | | | Solid |
| L | <u> </u> | ···· | | | solid |
| 1. DATA F | PACKAGE COM | PLETENESS AN | D CASE NARRATIV | VE. | solid |
| | | | D CASE NARRATIV | | \triangle |
| Technical verifica | | present? | | | \triangle |
| Technical verifica | ation documentation | present? | | | \triangle |
| Technical verifica | ation documentation | present? | | | <u> </u> |
| Technical verifica | ation documentation | present? | | | \triangle |
| Technical verifica | ation documentation | n present? | | | \triangle |
| Technical verifica Comments: 2. INSTRU | JMENT PERFOR | n present? | | vels D and E) | Yes No N/ |
| Technical verification of the comments: 2. INSTRU Initial calibrations | IMENT PERFOR | MANCE AND C | CALIBRATIONS (Le | vels D and E) | Yes No N/ |
| Technical verifications Comments: 2. INSTRU Initial calibrations | JMENT PERFOR s performed on all is acceptable? | MANCE AND Construments? | CALIBRATIONS (Le | vels D and E) | Yes No N/ Yes No N/ |
| Comments: INSTRU Initial calibrations ICV and CCV chellicy and CCV chell | JMENT PERFOR s performed on all is acceptable? | MANCE AND Construments? | CALIBRATIONS (Le | vels D and E) | Yes No N/ |
| Comments: INSTRU Initial calibrations ICV and CCV chellic conditions ICV and CCV chellic co | JMENT PERFOR s performed on all is acceptable? | MANCE AND Construments? | CALIBRATIONS (Le | vels D and E) | Yes No N/ |
| 2. INSTRU Initial calibrations ICV and CCV che ICV and CCV che Standards traceab | JMENT PERFOR s performed on all is acceptable? | MANCE AND Construments? | CALIBRATIONS (Le | vels D and E) | Yes No N/ |
| Comments: 2. INSTRU Initial calibrations ICV and CCV che ICV and CCV che Standards traceab | JMENT PERFOR s performed on all is acceptable?ecks performed on a | MANCE AND Construments? | CALIBRATIONS (Le | vels D and E) | Yes No N/A Yes No N/A |

| 3. BLANKS (Levels B, C, D, and E) | | |
|---|-----------------|--|
| ICB and CCB checks performed for all applicable analyses? (Levels D, E) | Yes | No NKA |
| ICB and CCB results acceptable? (Levels D, E) | Yes | No N/A |
| Laboratory blanks analyzed? | $ \mathcal{O} $ | No N/A |
| Laboratory blank results acceptable? | (Y) | No N/A |
| Field blanks analyzed? (Levels C, D, E) | Yes | (No) N/A |
| Field blank results acceptable? (Levels C, D, E) | Yes | No (N) |
| Transcription/calculation errors? (Levels D, E) | | - 20 |
| Comments: | no FB | |
| | | |
| | | |
| | | |
| 4. ACCURACY (Levels C, D, and E) | | ALS. |
| Spike samples analyzed? | (.y) | N/A |
| Spike recoveries acceptable? | Yes | No (V) |
| Sike standards NIST traceable? (Levels D, E) | Yes | No 🕡 |
| Spike standards expired? (Levels D, E) | <u>Y</u> es | No 🕡 |
| LCS/BSS samples analyzed? | Ye | No N/A |
| LCS/BSS results acceptable? | <u> </u> | No N/A |
| Standards traceable? (Levels D, E) | Yes | No (NA |
| Standards expired? (Levels D, E) | Yes | No (N/A) |
| Transcription/calculation errors? (Levels D, E) | Yes | No N/A |
| Performance audit sample(s) analyzed? | Yes | No n/a |
| Performance audit sample results acceptable? | Yes | No (N/A) |
| Comments: | No F | W _ |
| Der the case nerreties to metrix 3 file | wes run | <u>. </u> |
| with mytow in this sample 2/4 3 a | 4 | |
| ms recom 190 - Rall | | |

| 7. | RESULT QUANTITATION AND DETECTION LIMITS (all levels) | |
|-----------|---|--------------|
| Results | reported for all requested analyses? | |
| | supported in the raw data? (Levels D, E) | |
| Sample | properly prepared? (Levels D, E) | Yes No NA |
| Detection | properly prepared? (Levels D, E) | Yes No N/A |
| Transcr | ption/calculation errors? (Levels D, E) | Yes No (N/A) |
| | nts: | |
| | | |
| | | |
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| | | |

Additional Documentation Requested by Client

QC Results Summary STL Richland STLRL

Ordered by Method, Batch No, QC Type,.

Report No.: 31019

SDG No.: J00038

Date: 11-Jan-06

| Batch Work Order | Parameter | Result +- Uncertainty (2s) | Qual | Units | Yield | Recovery | Blas | MDCIMDA |
|---------------------|-----------|-----------------------------|------|-------|-------|----------|------|----------|
| 7196_CR6 | | ···· | : | | | | | |
| 6010341 MATRIX | SPIKE | • | | | | | | |
| HTWTA1AC | HEXCHROME | 3.50E-01 +- 0.0E+00 | U | mg/kg | N/A | 1% | -1.0 | 3.50E-01 |
| HTWTA1AE | HEXCHROME | 2.06E+00 +- 0.0E+00 | | mg/kg | N/A | 4% | -1.0 | 3.50E-01 |
| 6010341 LCS | | | | - • | | | | |
| HVDWV1AC | HEXCHROME | 4.13E+01 +- 0.0E+00 | | mg/kg | N/A | 103% | 0.0 | 3.50E-01 |
| 6010341 BLANK C | IC | | | | | | | |
| HVDWV1AA | HEXCHROME | 3.50E-01 +- 0.0E+00 | U | mg/kg | N/A | | | 3.50E-01 |
| No. of Results: | A | | | | | | | • |